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FIG. 1
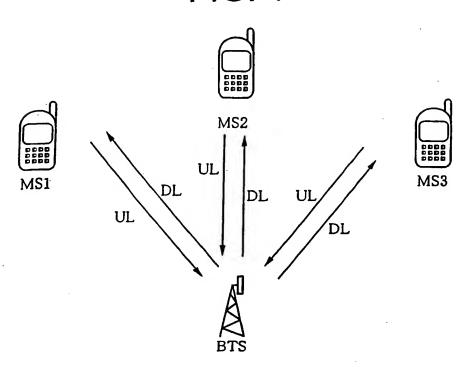
MS2

MS1

UL

DL

UL

DL

UL

DL

MS3

BTS

FIG. 2 PRIOR ART

d_1

a_1 — 11

a_2 — 12

d_2

a_3 — 13

20

Σ

1k

d_p

a_k

$m^{(i)}$

B

D1	S	M	S	D2	G

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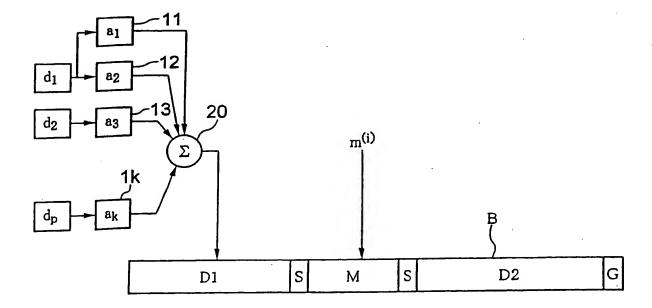Inventor: Bruno JECHOUX, et al.
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FIG. 3

W1=BMC	W2=BMC

B

P → $m^{(1)}$

P → $m^{(2)}$

$m^{(3)}$

$m^{(k)}$

FIG. 4

Corrélation

temps

E1

$m^{(2)}$

E2

$m^{(7)}$

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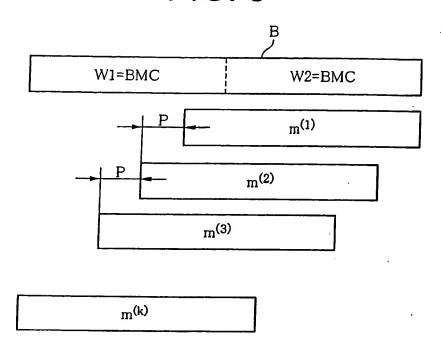Docket No: 240451US-2 DIV
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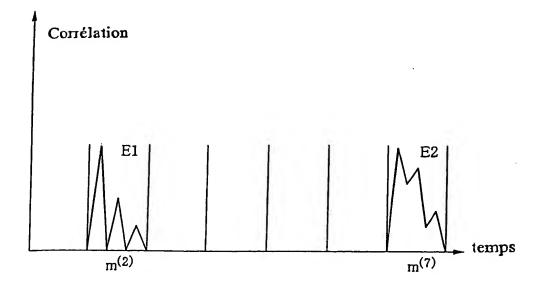# FIG. 5

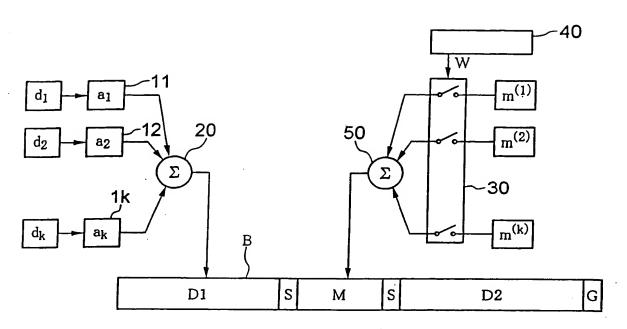# FIG. 6

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FIG. 7

W	Number of codes
00000xxx	0
00001xxx	1
00010xxx	2
00011xxx	3
00100xxx	4
00101xxx	5
00110xxx	6
00111xxx	7
01000xxx	8
01001xxx	9
01010xxx	10
01011xxx	11
01100xxx	12
01101xxx	13
01110xxx	14
01111xxx	15
10000xxx	16

FIG. 8

W channel 1	W channel 2	Number of codes
0000	0000	0
0001	0001	1
0010	0010	2
0011	0011	3
0100	0100	4
0101	0101	5
0110	0110	6
0111	0111	7
1000	1000	8
1001	1001	9
1010	1010	10
1011	1011	11
1100	1100	12
1101	1101	13
1110	1110	14
1111	1111	15,16

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FIG. 9

W	Number of codes
000	0
001	1,2
010	3,4
011	5,6
100	7,8
101	9,10
110	11,12,13
111	14,15,16

FIG. 10

W	Number of codes
00000000	0
00000001	1
00000010	2
00000100	3
00001000	4
00010000	5
00100000	6
01000000	7
10000000	8

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W	NUMBER OF CODES
00000000	0
00000001	1
00000010	2
00000100	3
00001000	4
00010000	5
00100000	6
01000000	7
10000000	8
10000001	9
10000010	10
10000100	11
10001000	12
10010000	13
10100000	14
11000000	15
11111111	16

FIG. 11